



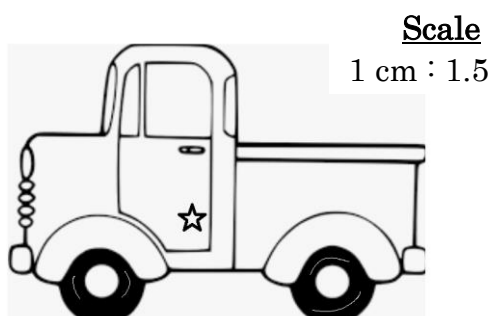
Scale Drawings Exam Practice

- Q1. On a scale map, the villages of Aberton and Benton are 5.5 cm apart. The scale on the map is 1 cm = 2 km. Work out how far the villages are apart in real life.
(2 marks)
- Q2. On a floor plan of a church, which is drawn to scale, the length of main hall is 6.5 inches. The scale on the plan is 2 inches = 8 metres. Work out the actual length of the hall.
(2 marks)
- Q3. On a town plan, the theatre is 4 cm away from the bus station. If the plan is drawn to scale, and the scale is 1 : 3000, work out the actual distance between the theatre and the bus station.
(2 marks)
- Q4. On a town plan, the theatre is 4 cm away from the bus station. If the plan is drawn to scale, and the scale is 1 : 3000, work out the actual distance between the theatre and the bus station.
(2 marks)
- Q5. The towns of Blanton and Ryling are 33 miles apart. They are shown on a scale map which uses the scale, 1 cm = 6 miles. Work out how far they are apart on the map.
(2 marks)
- Q6. Marston and Melville are 80 km apart. They are shown on a scale map which uses the scale, 1 : 400,000. Work out how far they are apart on the map.
(3 marks)
- Q7. In a club-house, the length of the main room is 8 feet 9 inches. A floor plan of the building uses the scale, 1 : 70. work out how long the building is drawn on the floor plan.
(2 marks)
- Q8. On a scale drawing of a new model of car, the scale used is 4 : 150. If the length of the car on the drawing is 11 cm, work out the length of the actual car. Give your answer in metres, correct to 2 decimal places.
(2 marks)



Applied Mixed Practice Problems

Q9. a) Estimate the length of the truck in real life, giving your answer in metres, correct to 1 decimal place. (2 marks)



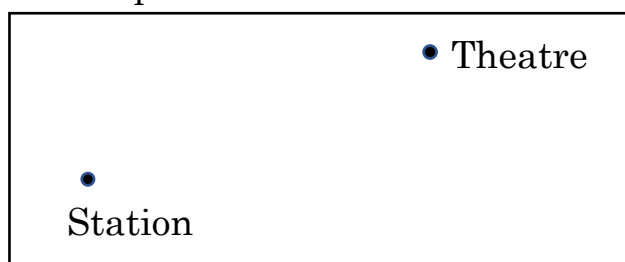
b) Bill wishes to park the truck inside his garage whose ceiling is 1 metre 90 cm high. Will this be possible? You must explain your answer.

(2 marks)

Q10. A rectangular field is drawn on a local plan of the area. The length measures 12 cm and the width is 5 cm. The scale used is 1 : 500. Work out the actual area of the field, giving your answer in sensible units.

(4 marks)

Q11. The map below uses the scale 8 cm = 1 km.



- (a) Write this scale as a ratio in its simplest form. (2 marks)
- (b) Estimate the distance between the station and the theatre in metres. (2 marks)

Q12. A map uses the scale 1 cm = 60 metres. Circle the ratio which is equivalent to this:

1 : 60 1 : 600 1 : 6000 1 : 60000 1 : 600000 1 : 6000000
(2 marks)

Q13.



Here is a scale drawing of adult human standing next to an ornamental tower in a garden.

a) Estimate the height of the tower in metres.

(2 marks)

b) Add a suitable scale to the map in the form 1 : n where n is a number.

(2 marks)